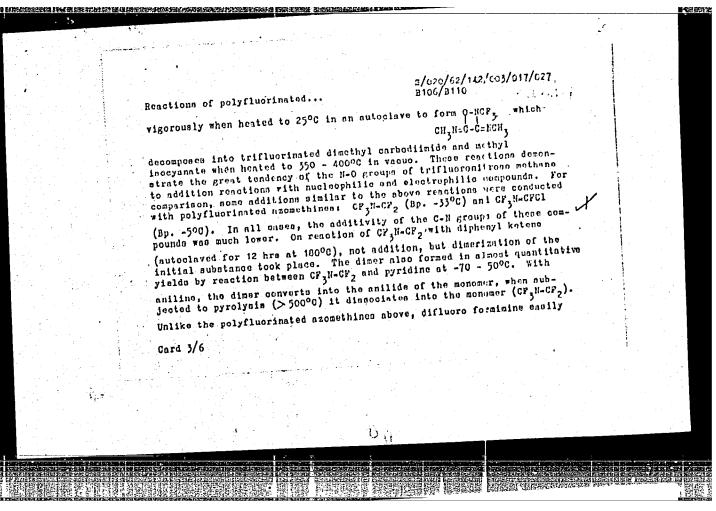
AKUBOVICH, A.YA. 5/020/62/162/003/017/027 11, 1135 5.2420 3106/B110 11.2131 Makarov, S. P., Shpanskiy, V. A., Ginaburg, V. A., Shchekolikhin, A. L., Filatov, A. S., Martynova, L. h., AUTHORS . Favlovskaya, I. V., Golovaneva, A. F., and Yakubevich, A. Ya. Reactions of polyfluorinated nitroso-alkanes with unsaturated TITLE: compounds PERIODICAL: Akademiya nauk SSSR. Doklady, v. 142, no. 3, 1962, 596 - 599 TEXT: Trifluoronitrono methane is used as an example of some reactions of polyfluorinated nitroso-alkanes with unsaturated compounds. These addition reactions take place easily (in an autoclave at -70 to 0°C). Monomero and polymers containing 1 mole of nitroso compound per olefin mole, form. Styrene and trifluoronitroso methane also form a compound with the solar ratio 1 : 2 which decomposes into 1 mole of nitroso compound, formaldehyde, and the corresponding inine when heated to 70 - 80°C. Therefore it has Trifluoronitroso methano adas to diphenyl the structure C6H5CH-CH2 . CF3-N O

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	Reactions of polyfluorinated ketene even more easily under the foruntion of (C6H5)?	c-co which O-HC?;	
	decomposes when heated to 300°C mainly forming triflus decomposes when heated to 300°C mainly forming trifluoronitroso of trif	promethyl isocyanate methane. The latter , CF_Cl, CFCl ₂) at	
	room temperature in an autocia.	noe under V	
	nitroso methane with azodicarbonic acid enters to 100 pressure. Diazomethane and trifluoronitrono methane pressure apolymeric nitron [CP, N(O)CH2] number nitrongen give a polymeric nitron accomplished methane react viole	ently at -70°C	
	Phosphazines and trillustantial Pier II + CF 310 -> CH2 following the scheme (C615) 3P = II - II = II 2 + CF 310 -> CH2 CF 310 -	oduct of this reaction	
	+ \((C_6 I_5)_3P=N-N=NCP_3\) -N2 \((C_6 I_5)_3P=NCP_3\). The probability and trifluorometric and trifluorometric and trifluorometric and methy same conditions. Trifluoromitroso methans and methy	hyl nzide under the l imperanide react	
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Reactions of polyfluorinated reacts with diphenyl ketene to form the adduct (CaH3)2CCO.2CY2HH. reacts with diphenyl ketene to form the adduct (CaH3)2CCO.2CY2HH. Addition reactions with hydrogen fluoride, hydrogen chloride, and mercuric		
Addition readling the schemes	¥	
fluoride following $ \frac{HP}{CP_{a}h^{2}H} \xrightarrow{(CP_{a}h^{2}H)} \frac{CH_{10}}{CH_{10}} \xrightarrow{(CP_{a}h^{2}H)O_{a}} \frac{(CP_{a}h^{2}H)O_{a}}{(CP_{a}h^{2}H)O_{a}} \xrightarrow{(CP_{a}h^{2}H)O_{a}}$	√ I :	
are very characteristic for the polyfluorimated azomethiate in question. The tendency of polyfluorimated substances with double bonds to addition The tendency of polyfluorimated substances with double bonds to addition The tendency of polyfluorimated substances as follows: N-O.N-N>N-C. Tending with olefins therefore decreases as follows: N-O.N-N>N-C. Table 1 shows the physical constants of the compounds synthesized for the first time. There are 1 table and 12 references: 4 Soviet and 8 non- Table 1 shows the physical constants of the compounds synthesized for the first time. There are 1 table and 12 references: 4 Soviet and 8 non- Table 1 time. There are 1 table and 12 references: 5 English-language publication for time. There are 1 table and 12 references to English-language publication for the first time. There are 1 table and 12 references to English-language publication for the first time. There are 1 table and 12 references to English-language publication for the first time. There are 1 table and 12 references to English-language publication for the first time. There are 1 table and 12 references to English-language publication for the first time. There are 1 table and 12 references to English-language publication for the first time. There are 1 table and 12 references to English-language publication for the first time. There are 1 table and 12 references to English-language publication for the first time. The first time for the first time. The first time for the first time for the first time. The first time for the first time for the first time. The first time for the first time for the	กร	
read as follows: E. E. Griffin, R. H. Haszeldine, 1960). 369; 1960, 1151 - 1155; G. E. Griffin, R. H. Haszeldine, 1960). 1960, 1398; J. Grawford, J. Polym. Sci., 45, No. 145, 261 (1960).		
Card 4/6		
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Reactions of polyfluorinated Reactions of polyfluorinated PRESENTED: June 1, 1961, by M. I. Kabachnik, Academician SUBMITTED: May 30, 1961 Table 1. Compounds synthesized for the first time. Legend: (a) Compound; (b) ip. (Fp.), Oc/ma; (c) determined, %; c) Legend: (a) Compound; (b) Fp. v Hon-distillable yellow oil; ** solecular (d) aniculated, %; (e) Fp. v Hon-distillable yellow oil; ** solecular (d) aniculated in acetic acid); determined 500, calculated for the pentamer 565. **reight (in acetic acid); determined 500, calculated for the pentamer 565.	File Labert State Opt	是一个一个人,我们的一个一个一个人,他们的一个人,他们就是一个人的一个人,他们就是一个人的一个人,他们就是一个人的一个人,他们就是一个人的一个人,我们就是一个人的	AND AND STANDARD SAIDURE PROPERTY OF THE PROPE		_
PRESENTED: June 1, 1961, by M. I. Kabachnik, Academician SUBMITTED: May 50, 1961 Table 1. Compounds synthesized for the first time. Legend: (a) Compound; (b) dp. (Fp.), Oc/mm; (c) determined, %; (d) aniquiated, %; (f) Fp. x Non-distillable yellow cil; ** molecular (d) aniquiated, %; (f) Fp. x Non-distillable yellow cil; ** molecular weight (in acetic acid); determined 580, calculated for the pentager 565.		Reactions of polyfluoringted	В106/В110		
Table 1. Compounds synthesized for the first time. Legend: (a) Compound; (b) Np. (Fp.), OC/mm; (c) determined, F; (d) aniculated, F; (n) Fp. x Non-distillable yellow cil; ** molecular (d) aniculated, F; (n) Fp. x Non-distillable yellow cil; ** molecular (d) aniculated for the pentager 565, weight (in acctic acid); determined 500, calculated for the pentager 565.			ik, Academician		
Legend: (a) Compound; (b) dp. (Fp.), OC/mm; (c) determined, A; (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (d) aniquiated, A; (e) Fp. x Non-distillable yellow oil; ** wolcoular (e) Air x Non-distillabl		SUBMITTED: May 30, 1961			•
Legend: (a) Compound; (b) Bp. (Fp.), OC/mm; (c) determined, A; (d) calculated, A; (e) Pp. x Non-distillable yellow cil; ** ** ** molecular (d) calculated for the pentager 565. **weight (in acetic acid) : determined 580, calculated for the pentager 565.		Table 1. Compounds synthesized for the fi	rot time.		
		Legend: (a) Compound; (b) dp. (Fp.), Oc/a (d) calculated, %; (e) Fp. x Non-distillabl weight (in acetic acid) : determined 500,	a; (c) determined, h; e yollow oil; se molecular onloulated for the pentamer 565.	X	
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SMIRMOV, K. M.; GIMSBUEG, V. A.; YAKUBOVICH, A. Ya.

Reaction of fluoroacetylene with mercury salts. Zhur. VKHO 8
no.2:231-232 '63.

(Acetylene) (Mercury salts)

YAKUBOVICH, A.Ya.; SHVETSOV, N.I.; LEBEDEVA, I.V.; YAKUBOVICH, V.S.

New method of synthesis of polyphosphonitriles. Zhur.neorg.khim.
8 no.2:534 F '63.

1. Fiziko-thimicheskiy institut imeni L.Ya.Karpova.
(Phosphonitrile chloride)

L 17423-6	EPR/EWP(j)/EP?(d)/EWT(m)/EDS	9/0078/53/008/008/1831/1838	
ACCESSION	HR: AP30U4344		
AUTHORSE	Yekubovich, A. Ya.; Shvetsov, H. I.; Leber	leva, I. V., Yakubovich, V. S.	
orpries H	w methods of polyphosphonitrile synthesis		
averbug.	hurnal neorganicheskog khimii, v. 8, no.	8, 1963, ::831-1838	
TOPIC TAG	polyphosphonitrils		
	A new method for synthesizing polyphosph	onitrile chlorides has been	
proposed.	A new method for synthesizing polyphosph Method is based on thermal cracking of t colychloropolyphosphazinephosphooxydichlor	he phosphorus official de ides according to the formula:	
o	$\lfloor (PNCl_2)nPOCl_2 \rightarrow POCl_3 + \lfloor (PNCl_2)n \rfloor$		
	reaction also occurs with a number substi	tuted phosphooxydichlorides.	-
The above	reaction also occurs with a number substitute of the description of 11 such reactions is given description of the second hydrolysis	en. A more-oxy derivative	, A
D-W-CI	OH) A MUR ODCATHER OF A CONTOUR	a two onlines tes and forms	
HC1 and	oxydichloride. When heated, this compound in oxygen containing phosphonitrile polyme		
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SUB CODE: CH	NO REP SOV: 00	1	OTHER: 010	
ord 2/2				

ZAYTSEVA, Ye. L.; BRAZ, G. I.; YAKUBOVICH, A. Ya.; BAZOV, V. P.

Syntheses in the series of 1,3,5-triazine. Part 2: Preparation of mixed 2,4,6-trialkyl-1,3,5-triazines from imino ethers. Zhur. ob. khim. 33 no.1:199-202 '63. (MIRA 16:1)

1. Fiziko-khimicheskiy institut imeni L. Ya. Karpova.

(Triazine) (Ethers)

BRAZ, G.I.; MYASNIKOVA, G.V.; YAKUBOVICH, A.Ya.; BAZOV, V.P.; SAKODYNSKIY, K.I.

Simultaneous trimerization of acetonitrile and trichloroacetonitrile. Zhur.ob.khim. 33 no.6:1939-1941 Je '63. (MIRA 16:7)

1. Fiziko-khimicheskiy institut imeni L.Ya.Karpova. (Acetonitrile) (Polymerization)

SHVETSOV, N.I.; NURIDZHANYAN, K.A.; YAKUBOVICH, A.Ya.; SUKHOV, F.F.

Chemistry of phosphazenes. Derivatives of 2,4,6,6-tetra-N-dimethylaminocyclotriphosphonitrile. Zhur.ob.knim. 33 no.12:3936-3941 D '63. (MIRA 17:3)

1. Fiziko-khimicheskiy institut imeni Karpova.

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TITLE:

Motsarev. G. V., Yakubovich, A. Ya., Rozenberg, V. R.

AUTHORS:

Production and properties of hexachloro cyclohexyl

chlorosilanes

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 1, 1963, 116-117

TEXT: The addition of chlorine to phenyl trichlorosilane (I) and phenyl methyl dichlorosilane (II) was studied for the first time. Under the action of chlorine at 0-2°C in diffuse daylight, both compounds yield action of chlorine at 0-2°C in diffuse daylight, both compounds yield exclusively the addition products hexachloro cyclohexyl trichlorosilane (IV) (III) (28.9% yield) and hexachloro cyclohexyl (methyl) dichlorosilane (IV) (78.4% yield). Ultraviolet light considerably increases yield and reaction rate. The yield of addition products decreases with increasing reaction temperature, and substitution occurs. Substitution occurs exclusively at 120°C (compound I) and 50°C (compound II). Additive chlorination of aromatic chlorosilanes, especially of compound II, proceeds much more readily than chlorination of benzene. This is explained by the fact that the electrophilic silyl chloride group disturbs the symmetry of the π-electron cloud of the benzene ring, and Card 1/3

Production and properties of ...

S/020/63/148/001/024/032 B106/B166

deactivates the phenyl radical for substitution reactions. Compound II, the silicon atom of which is less electrophilic, undergoes additive chlorination more readily than compound I. Therefore, there is a relationship between the electrophilic effect of the substituents and the rate of additive chlorination of substituted aromatic compounds. Compounds III and IV are colorless, viscous liquids which fume slightly in air, are soluble in organic solvents, and crystallize when standing for a long time (m.p. 90-93°C). Their wide boiling ranges (Table 1) are due to the existence of stereoisomeric mixtures. Under the action of water, they are hydrolyzed to siloxanes; in lyes, the hexachloro cyclohexyl radical is split off, and goes over into trichlorobenzene with separation of hydrogen chloride. III and IV react with ethanol to give hexachloro cyclohexyl ethoxy silanes (Table 1). There is 1 table.

PRESENTED:

April 12, 1962, by I. L. Knunyants, Academician

SUBMITTED:

April 4, 1962

Card 2/3

GINS BURG, V.A.; VLASOVA, Ye.S.; VASIL'YEVA, M.N.; MIRZAEEKOVA, N.S.; MAKAROV, S.P.; SHCHEKOTIKHIN, A.I.; TAKUBOVICH, A.Ya.

Photoreaction of hexafluoroazomethane with unsaturated compounds. Dokl.AN SSSR 149 no.1:97-99 Mr '63. (MIRA 16:2)

1. Predstavleno akademikom M.I.Kabachnikom. (Azomethane) (Photochemistry) (Unsaturated compounds)

GINSBURG. V A.; DUBOV, S.S.; MEDVEDEV, A.N.; MARTYNOVA, L.L.; TETEL'BAUM, B.I.; VASIL'YEVA, M.N.; YAKUBOVICH, A.Ya.

Structure of the inclusion complexes of trifluoronitrosomethane with unsaturated compounds and the mechanism of their formation. Dokl.

AN SSSR 152 no.5:1104-1107 0 '63. (MIRA 16:12)

1. Predstavleno akademikom I.L. Knunyantsem.

ACCESSION NR: AP4037281

5/0190/64/006/005/0838/0842

AUTHORS: Yakubovich, A. Ya.; Rozantsev, G. G.; Braz, G. I.; Bazov, V. P.

TITLE: Fluorinated polybenzimidazoles

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 5, 1964, 838-842

TOPIC TAGS: polybenzimidazole, fluorinated polybenzimidazola, diaminobenzidine perfluoroglutarate polycondensation, diaminobenzidine diphenyl perfluoroglutarate, polyperfluorotrimethylenedibenzimidazole

ABSTRACT: Low-molecular poly-2,2'-(perfluorotrimethylene)-5,5'-dibenzimidazole (PPD) was synthesized by melting 0.5 gm 3,3'-diaminobenziding with 0.92 gm diphenylperfluoroglutarate at 1800 in an atmosphere of argon. Within 30 minutes the temperature was raised to 1900, and the heating was continued for another 30 minutes at 1.5 mm pressure. After grinding the reaction mass to a powder the heating was continued for 3 hours at the same pressure, with the temperature gradually increased to 2200. This procedure yielded polymer I. Polymer II was obtained by allowing the process to run the last three hours at 1900 and 0.3 mm pressure. When the last stage was continued for 5 hours at 1900 and 0.04 pressure,

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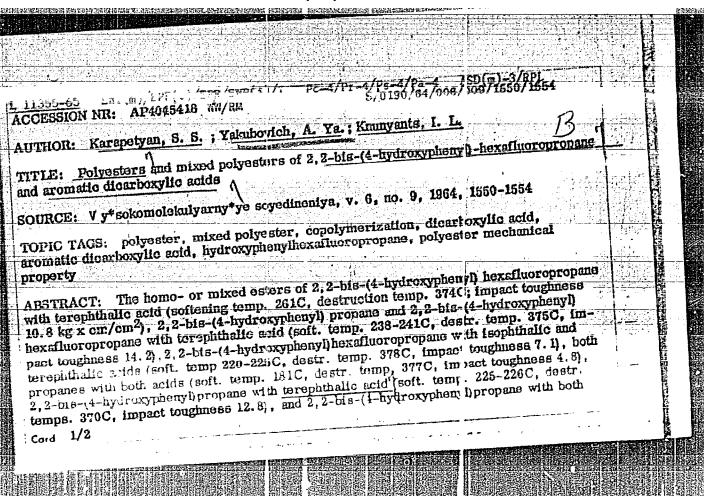
ACCESSION NR: AP4037281 the resulting compound was labeled polymer III. The yield of polymers I, II, and III averaged 59%. They were dissolved in m-cresol from which they were precipitated by ether. The products were then analyzed and studied by infrared spectroscopy. Specific viscosities of 0.2% solutions of polymers I and III in cresol were found to be 0.035 and 0.055 respectively, while polymor II did not show any noticeable viscosity. Heating at 220-2300 in an atmosphere of argon brought about the decomposition of the PPD polymer, with the liberation of fluorine. Orig. art. has: 2 tables, 2 formulas, and 1 chart. ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physicochemical Institute) DATE ACQ: 09Jun64 SUBMITTED: 03Jun63 . ENCL: SUB CODE: MT NO REF SOV: 003 OTHER: Card 2/2

KARAPETYAN, S.S.; YAKUBOVICH, A.Ya.; KNUNYANTS, I.L.

Polyesters and mixed polyesters of 2,2-bis-(4-hydroxyphenyl) hexafluoroppropane and aromatic dicarboxylic acids. Vysokon.soed. 6 no. 9:1550-1554 S '64. (MIRA 17:10)

CHELOBOV, F.N.; DUBOV, S.S.; TIKHOMIROV, M.V.; GITEL', P.O.; YAKUBOVICH, A.Ya.

Ionization and dissociation during an electroni impact of / -fluoro nitriles with a growing alkyl chain. Zhur.ob.khim. 34 no.2:571-575 F 164. (MIRA 17:3)



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BAY, L.I.; YAKUBOVICH, A.Ya.; MULER, L.I.

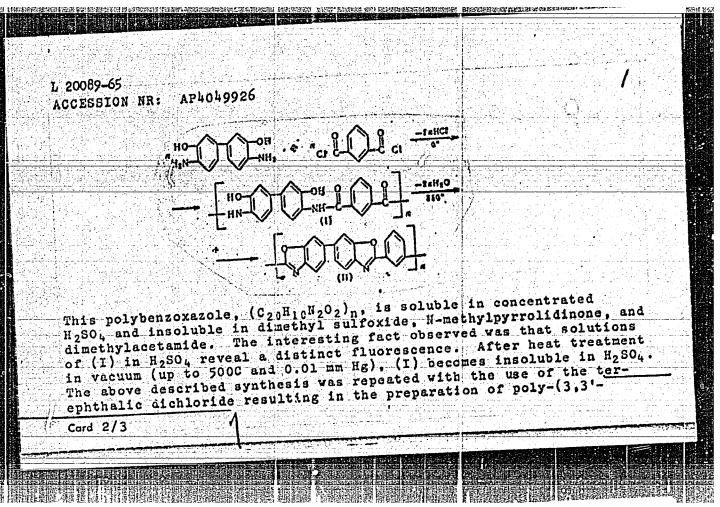
Synthesis of & substituted styrenes. Zhur. ob. khim. 34 no.11: 3696-3697 N *64 (MIRA 18:1)

ZAYISEVA, Ye.L.; YAKUBOVICH, A. Ya.; BRAZ, C.I.; BAZOV, V.P.

Esters of bisiminordipic and -terephthalic acids. Zhur. ob.
khim. 34 no.11:3709-3713 N '64 (MIRA 18:1)

1. Fiziko-khimicheskiy institut imeni L. Ya. Karpova.

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AUTHOR: Yakubovich, V. S.; Nyashikova, Yakubovich, A. Ys.	$oldsymbol{eta}$,
TITLE: Synthesis of polymers, dihydroxybenzidine, isophthalyl dichlor polymer, diaydroxybenzidine, isophthalyl dichlor	630-631 sis, heat resistant ride, isophthalic acid,
terephthalic acid terephthalic acid terephthalic acid To obtain polymers with high thermal	itability, the authors dine with isophthalyl
ABSTRACT: To obtain polymers 3,3'-dihydroxybenzi studied the condensation of 3,3'-dihydroxybenzi studied the condensation of dichloride. The process is a two-step reaction of poly(hydroxy amide) at OC and 2) formation of poly(hydroxy amide) at OC and 2) formation of intramolecular ring closure at 350C. The authority and the condensation of the	- 1 henzoxazole - till out.
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ACCESSION NR: AP5006844 AUTHOR: Makarov, S. P. TITLE: Stable free rad	L A VA	Dubov, 8. 3.	xidei lts produc	tion,
TITLE: Stable free rad	ical of nitrogen ne		4,	
structure and propertie		estype Zhurnel, v	. 10, no. 1, 19	65,
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	odimethylhydroxylami	ne, nitrogen lead	electron paramag	metic
stable tree transfine s	tructure, intrared			
lati	on of hexafluorodim	ethylhydroxyland	gents (chlorine	, fluor-
ABSTRACT: The oxidati ganate in an acetic ac ine, etc.) results in	id solution, or by the free-radical mo	lecule C2F6NO		
	(CF) NOH KM	CP, NO		
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dark-violet liquid w	s absorption bands in the	region custactore the	et this compound	
Its IV spectrum lack	nich at -55 to -70°C solid nich at -55 to -70°C solid s absorption bands in the s absorption bands in the 1 as other findings are pr ree radical for which the	following structure		
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probable				
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t -ospect to th	EPR spectrum, the value of the parameter of the parameter of the parameter of the parameter of the EPS special, are given; the EPS special of the	of the 8-fictor (8 molars and in carbon	ecule. The curv	es
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when exposed compor	ind which, on neaclus,		And the second s	
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ACCESSION NR: AP5006844	스 왕을 받는 말로 말로 되었다. 네 한 글로 보고 보고 있다.		0	
Orig. art. has: 1 figure, 1	table.			
ASSOCIATION: Houe				
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NO REF SOV: CO3	other: co			
Card 3/3				
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YAKUBOVICH, A.Ya.; SERGEYEV, A.P.

—difluoroacrylic acid and its derivatives. 2hur.
ob. khim. 35 no.3:471-475 Mr '65. (MJRA 18.4)

MOTSAREV, G.V.; YAKUROVICH, A.Ya.; PONOMARENKO, V.A.; SNEGOVA, A.D.;
IVANOVA, T.M.

Subatitution chlorization of phenyltrichlorosilane. Zhur. ob. khim.
35 no.4:756-757 Ap '65. (MIRA 18:5)

YAKUBOVICH, A.Ya.; ZAYTSEVA, Ye.L.; BAZOV, V.P.

Synthesis of fluorinated aliphatic aromatic diketones. Zhur. ob. khim. 35 no.5:848-850 My '65. (MIRA 18:6)

1. Fiziko-khimicheskiy institut imeni Karpova, Moskva.

GINSBURG, V.A.; MARTYNOVA, L.I.; DUBOV, E.S., TELEL HAUM, B.I.; YAKUBOVICH, A.YA.

Structure of adducts of trifluoronitroso methans with unsaturated compounds. Zhur. ob. khim. 35 no.5:851-857 My '65.

(MIRA 18:6)

MOTSAREV, G.V.; YAKUBOVICH, A.YA.

Halogenation of aromatic silanes. Part 16: Certain features of the reaction of phenyltrichlorosilane with iodine chlorides. Zhur. ob. khim. 35 no.6:1056-1057 Je 165. (MIRA 18:6)

ENGLIN, M.A.; YAKUBOVICH, A.Ya.; MAKAROV, S.P.; NIKIFOROVA, T.Ya.; LYSENKO, V.V.; DUBOV, S.S.

Heterogeneous fluorination with elementary fluorine. Part 7: Fluorination of hydrochlorides of aliphatic amines. Zhur. ob. khim. 35 no.7:1167-1171 Jl '65. (MIRA 18:8)

MOTSAREV, G.V.; YAKUBOVICH, A.Ya.; ROZENBERG, V.R.; FILIPPOV, M.T.; DZHAGATSPANYAN, R.V.; BARDENSHTEYN, S.B.; KOLBASOV, V.I.; ZETKIN, V.I.

Halogenation of aromatic silanes. Part 17: Addition of chlorine to phenyl-trichlorosilane. Preparation of hexachlorocyclohexyl-trichlorosilane and the mechanism of its formation. Zhur. ob. khim. 35 no.7:1178-1183 Jl '65. (MIRA 18:8)

ENGLIN, M.A.; MAKAROV, S.P.; DUBOV, S.S.; YAKUBOVICH, A.YA.

Heterogeneous fluorination by elementary fluorine. Part 5: Fluorination of silver and potassium thiocyanates. Zhur. ob. khim. 35 no.8:1412-1415 Ag '65.

Heterogeneous fluorination by elementary fluorine. Part 6: Fluorination of cyanuric chloride. Ibid.:1416-1418

(MIRA 18:8)

GINSBERG, V.A.; MEDVELLY, A.R.; CHETEVA, M.F.; FUROV, S.S.; TAKUREVICH, A.Ya.

Electron transference in reaction of nitrodo longounds. and it

Mechanism of diagracytication of triviamonitransations. Abur.

ob. khim. 35 nc. StiAl8-1422 Ag 165. (MIRA 18:8)

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<u>L 52113-65</u> EFF(c)/EPR/EWP(j		
ACCESSION NR: AP5015236		0286/65/000/009/0021/0021
AUTHORS: Yakubovich, A. Ya.;	Ginaburg, Y. A.; Malor, L. I.	; Bay, L. I.; Popkova,
G. I. TITLE: A method for obtaining SOURCE: Byulleten! izobreteni TOPIC TAGS: cyanostyrene, vir	y i tovarnykh znakov, no. 9,	1965, 21
ABSTRACT: This Author Certifi	cata presents a method for ol	tatinam no arangatumana
To simplify the process and to acid amide is dehydrated with ASSOCIATION: Organizatelya go promyshlennosti pri gosplane sand Petroleum Industry at the	broaden the selection of rave phosphorus pentoxide while be osudarstvennogo komiteta khimi SSR (Enterprise of the State	r material, n-vinylbenzoic eing warmed in a vacuum.
To simplify the process and to acid emide is dehydrated with ASSOCIATION: Organizatelya go promyshlennosti pri gosplane S	broaden the selection of rave phosphorus pentoxide while be osudarstvennogo komiteta khimi SSR (Enterprise of the State	r material, n-vinylbenzoic eing warmed in a vacuum.
To simplify the process and to acid amide is dehydrated with ASSOCIATION: Organizatelya go promyshlennosti pri gosplane S and Petroleum Industry at the	phosphorus pentoxide while be phosphorus pentoxide while be sudarstvennogo komiteta khimi SSSR (Enterprise of the State Gosplan SSSR)	r material, n-vinylbenzoic eing warmed in a vacuum. Icheekoy i neftyanoy Compittee of the Chemical
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To simplify the process and to acid amide is dehydrated with ASSOCIATION: Organizatelya go promyshlennosti pri gosplane send Petroleum Industry at the SUBMITTED: O9Apr63	phosphorus pentoxide while be phosphorus pentoxide while be psuderstvennogo komiteta khimi SSR (Enterprise of the State Gosplan SSSR)	r material, n-vinylbenzoic eing warmed in a vacuum. Icheekoy i neftyanoy Compittee of the Chemical

MAKAHOV, S.P.; YAKUBOVIGH, A.Ya.; RUBOV, S.S.: RELVEREY, A.N.

Synthesis of hexofluorodimethylhydroxylamine and nexufluorodimethylnitrogen oxide. Dokl. AN SSSR 160 no.6:1319-1322 F 163.

1. Submitted December 8, 1964.

(MIPA 18:2)

YAKUBOVICH, A.Ya.; SERGEYEV, A.P.; EELYAYEVA, I.N.

Direct fluorovinylation. Dokl. AN SSSR 161 no.6:1362-1364 Ap '65.

1. Submitted October 26, 1964.

(MIRA 18:5)

L 13622-66 EWT(m)/E	WP(j)/T RPL WW/RM SOURCE CODE: UR/O2	56/65/000/022/0060/0060	
AUTHORS: Yakubovich, V.	S.; Lebedeva, I. V.; Yakubovich, A.	Ya.; Shvetsov, N. I.	
ORG: none TITLE: A method for obt		(f) 40 Blass 39, No. 176412	The second secon
an filipan and the state of the	reteniy i tovarnykh znakov, no. 22, 19	155, 60	
	compound, polymer, polycondensation		
ABSTRACT: This Author Contorides based on phosp polymer of a high molecular than the based on the contoring the conto	ertificate presents a method for obtainonitryl chlorides. To produce a then lar weight, monohydroxy derivatives of es or their derivatives, such as alkowes. These substances are subjected to	polychlorophosphazine- cy derivatives, are used	
SUB CODE: 07/	SUBM DATE: 25Feb63		
Card 1/1 HW	JD01	678.745.3173	
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L 15326-66 EWT(m)/EWP(j)/T/ETC(m)-6 WW/RM	
ACC NR: AP6000990 (A) SOURCE CODE: UR/0:286/65/000/022/0061/0061	
AUTHORS: Yakubovich, V. S.; Lobedeva, I. V.; Yakubovich, A. Ya; Shvetsov, N. I.	
ORG: none	
TITLE: A method for obtaining polyphosphonitrile chlorides. Class 39, No. 176416 /announced by Scientific Research Physico-Chemical Institute im. L. Ya. Karpov	
(Nauchno-issledovatel'skiy fiziko-khimicheskiy institut)/	
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 61	1
TOPIC TAGS: polymer, polycondensation, organic phosphorus compound, phosphonitrile, monomer	•
ABSTRACT: This Author Certificate presents a method for obtaining polyphosphonitrile chlorides by polycondensation of phosphonitrile chloride monomers. To increase the variety of thermostable polymer, the monomers used are: chloromono- or poly(dichloro-phosphosen)-phosphooxide dichlorides or alkoxyl derivatives of the latter.	
SUB CODE: 11/ SUBM DATE: 25Feb63	•
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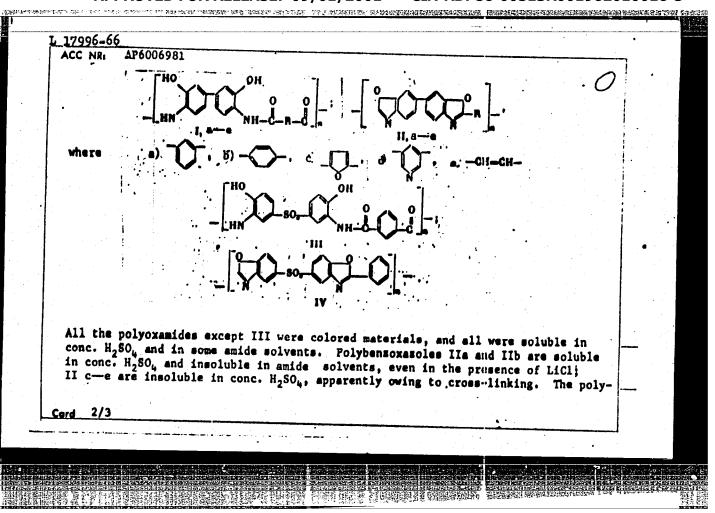
MOTSAREV, G.V.; YAKUBOVICH, A.Ya.; PONCMARENKO, V.A.; SNEGOVA, A.D.; IVANOVA, T.M.

Substitution chlorination of phenyltrichlorosilane. Zhur.ob.khim. 35 no.12:2167-2176 D 165. (MIRA 19:1)

1. Submitted July 8, 1964.

, 14545-66 EWT(m)/EWP(3)/ ACC NR: AP6006313	SOURCE CODE: UR/0413/66/000/002/0027/0027
AL GOODSIS	500KCB COBB. 0K/0415/00/000/002/002//002/
INVENTOR: Yakubovich, A. Ya	a.; Gitel', P. O.; Solovova, O. P.
C.S: none	7.1415
No. 177886 ,	for fluoroaromatic cyclophosphonitrilates. Class 12,
, 1700 y	
SOURCE: Izobreteniya, promy	yshlennyye obraztsy, tovarnyye zaaki, no. 2, 1966, 27
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	pound, nitrogen compound, fluorize compound, fluorinate
organic compound	
organic compound	
ABSTRACT: An Author Certifi	icate has been issued for a preparative method for fluo
ABSTRACT: An Author Certifi aromatic cyclophosphonitrile	ates. The method involves the reaction of sodium or po
ABSTRACT: An Author Certifi aromatic cyclophosphonitrile	icate has been issued for a preparative method for fluo ates. The method involves the reaction of sodium or po hosphonitrile chloride on heating in an inert solvent, [SM]
ABSTRACT: An Author Certifi aromatic cyclophosphonitrila sium fluorophenolate with phace as tetrahydrofuran.	ates. The method involves the reaction of sodium or po hosphonitrile chloride on heating in an inert solvent, [SM]
ABSTRACT: An Author Certifi aromatic cyclophosphonitrils sium fluorophenolate with ph such as tetrahydrofuran.	ates. The method involves the reaction of sodium or po hosphonitrile chloride on heating in an inert solvent,
ABSTRACT: An Author Certifi aromatic cyclophosphonitrila sium fluorophenolate with phace as tetrahydrofuran.	ates. The method involves the reaction of sodium or po hosphonitrile chloride on heating in an inert solvent, [SM]
ABSTRACT: An Author Certifi aromatic cyclophosphonitrila sium fluorophenolate with phace as tetrahydrofuran.	ates. The method involves the reaction of sodium or po hosphonitrile chloride on heating in an inert solvent, [SM]
ABSTRACT: An Author Certifi aromatic cyclophosphonitrila sium fluorophenolate with phace as tetrahydrofuran.	ates. The method involves the reaction of sodium or po hosphonitrile chloride on heating in an inert solvent, [SM]
ABSTRACT: An Author Certifi aromatic cyclophosphonitrila sium fluorophenolate with phace as tetrahydrofuran.	ates. The method involves the reaction of sodium or po hosphonitrile chloride on heating in an inert solvent, [SM]
ABSTRACT: An Author Certifi aromatic cyclophosphonitrila sium fluorophenolate with phace as tetrahydrofuran.	ates. The method involves the reaction of sodium or po hosphonitrile chloride on heating in an inert solvent, [SM]

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17996-66 EWT(m)/EWP(1)/T/FTC(m)-6 WI/RM ACC NRI AP6006981 (A) SOURCE CODE: UR/0190/66/008/002/0272/0277	
AUTHOR: Braz, G. I.; Kardash, I. Ye.; Yakubovich, V. S.; Myasnikova, G. V.; Ardashnikov, A. Ya.; Oleynik, A. F.; Pravednikov, A. N.; Yakubovich, A. Ya.	
Ya Karnov (Fiziko-khimicheskiy institut)	,
TITLE: Polybenzoxazoles: preparation and thermal degradation 12, 44.55	
SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 2, 1966, 272-277	
ABSTRACT: New high-thermal-stability polybenzoxazoles have been prepared which withstand temperatures up to 520-530C in vacuum. Polyoxamide intermediate products (I, n-e) were prepared by low-temperature (~ 0C) polycondensation of 3, 3'-dihydroxy benzidine with isophthaloyl, terephthaloyl, 2,5-furandicarbonyl, 3,5-pyridine-dicarbonyl, and fumacyl chlorides in dimethylacetamide. The polyoxamides were converted to the polybenzoxazoles (II, a-e) by thermal cyclodehydration. In addition, polycondensation of bis(4-hydroxy-3-aminophenyl) sulfone with isophthloyl chloride produced polyoxamide II7 which was converted to polybenzoxazole IV.	
	7
Cord 1/2 UDG: 541.64+678.01:54+678.67	-



benzoxazoles show bright luminescence. Structures were confirmed by IR spectroscopy and elemental analyzing. Orig. art. has: 3 tables, 3 figures, and 4 formulas. [SH] Las. SUB CODE: 11/ SUBM DATE: 13Mar65/ ORIG REF: 001/ OTH REF: 009/ ATD PRESS: 4213	ř		66 AP60069						O .	•
OOL OTH BET! OO9/ ATD PRESS:		scopy	oxazoles s y and elem	how bright ental analy	luminescence zing. Orig	s. Structi art. has	ures were co : 3 tables,	nfirmed by 3 figures,	and 4 formu- [SM]	
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L 01039-67 FWT(m)/FWP(j)/T ACC NR: AP6019549 IJP(c)WW/JW/RM SOURCE CODE: UR/0.190/66/008/006/1137/1137 (A)AUTHOR: Yakubovich, A. Ya.; Gitina, R. H. 39 B ORG: none TITLE: Preparation of fluorinated polyamides/by low temperature [polycondensation] amide solvents SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 6, 1966, 1137 TOPIC TAGS: polyamide, fluorinated organic compound, polycondensation, polymerization kinetics ABSTRACT: Preparation of polyfluoroglutamides by reacting dichloroglutamides of the perfluoroglutaric acid with 3,3'-dioxybenzidine in diamethylacetamide in dry argon atmosphere at -10° to 0°C is reported. The viscosity of a solution of 0.5 g polymer in 100 ml dimethylfluoroamide at 25°C was: $[n_{log}] \sim 0.10-0.15$. The structure of the polyfluoroglutamides was confirmed by IR spectroscopy. The success of this preparation procedure is explained in terms of the high rate of interaction of the dimethylacetamide solvent with both the starting dichloroanhydride of the perfluoroglutaric acid and the active terminal chloroanhydride groups of the macromolecules; the latter interaction leads to chain termination. In order to establish the ratio of the rates of growth and cleavage of the polymer molecules, subsequent syntheses were based on Card 1/2 U DC: 541.64+678.675

densation	de or per	fluorogluta uimolar mix	oanhydrides of ric acid insta ture of the st eported high m	ead of diamide	e. In thi	s case, the	polycon-
-1-1sobut	naiyi-2-pe azide. T	ertluoroglu	tarylhydrazide y of these pol	and poly-1-t	erephthal	v1-2-perflu	ies:/poly- ioroglu-
	,	SUBM DATE	/ : 01Feb66/	ORIG REF:	002/	OTH REF:	002
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ACC NR: AP7011830

SOURCE CODE: UR/C079/66/036/010/1861/1861

AUTHOR: Filatova, I. M.; Zaytseva, Ye. L.; Yakubovich, A. Ya.

ORG: Physicochemical Institute imeni L. Ya. Karpov (Fiziko-khimicheskiy institut)

TITLE: New type of rearrangement of esters of the phosphazene series

SOURCE: Zhurnal obshchey khimil, v. 36, no. 10, 1966, 1861

TOPIC TAGS: ester, organic phosphorus compound, organic nitrogen compound, isomerization

SUB CODE: 07

ABSTRACT: The authors succeeded in observing a rearrangement for phosphezenes differing from the normal phosphezene rearrangement. It was proposed that the new 'rearrangement be called the phosphezenephosphoxide rearrangement. The isomerization

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UDI: 547.26 118

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vas st	udied for	an ester i	n which R	R' = C2	H ₅ . The	e isome:	ization	could b	e con-	
850, a	in both of mixture of 40,3517	irections; of the ester	in the pre	paration (II) was	of compobtains	ound ()	.) at te ,. art.	mperatur has: 1	es above formula.	
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	L 34129-66 EWT(m)/EWP(1)/T IJP(c) RM ACC NR: AP6025541 SOURCE CODE: UR/0079/66/036/001/0163/0164
	AUT. ion: Yakubovich, A. Ya.; Gitel', P. O.; Lagutina, Z. N.; Chelobov, F. N. 1/9
	ORG: none
	TITLE: Unusual adduct of tripluoronitrosomethane, tetrafluoroethylene, and phosphorus trichloride
	SOURCE: Zhurnal obshchey khimii, v. 36, no. 1, 1966, 163-164
	TOPIC TAGS: phosphorus chloride, chemical compound, molecular weight, solvent action copolymerization, mass spectrum, spectrum analysis
	ABSTRACT: The reaction of trifluoronitrosomethane with tetrafluoroethylone in the presence of phosphorus trichloride yielded an unusual three-component adduct with the composition C ₂ F ₂ •PCl ₃ •2CF ₃ NO. This adduct is thermally
	stable and behaves as an individual compound, with a distinct boiling point and molecular weight; it dissolves in a number of organic solvents without change, does not react with oxidizing agents (halogens), and does not
I	liberate molecular iodine from an acidified solution of KI. It reacts readily with nucleophilic agents such as water, alcohols, and amines. When the adduct is treated with methanol in the cold, a product with composition
	2CF ₃ NO·C ₂ F ₄ ·P(OCH ₃) ₃ is isolated. The chemical properties of the adduct
	Card 1/2 UDC: 547.89
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CF3NO with C21 termination of process and accountavalent fo are proposed. firmed by the	the copolym companied by rm. A compl The chemica	roxidation of ete reaction I data on the	ccurring at trival ont mochanism	the very be phosphorus and structure of the edd	onginning to the are of th	of the		
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YARUBOVICH, A. Ya.; DZIOMKO, L.M.; GIMSHIRG, V.A.

Fluorinated p-divinylbenzenes. Znur. VKHO 10 nc. 6:705-706
(MIRA 19:1)

1. Submitted April 20, 1965.

ACCESSION NR: AP502	55 546.161:547.122:547.414.7 7. A.; Hedvedev, A. N.; Lebedeva, M. F.; Dubov, S. S.;	
TITLE: Electron tra	ensfer in nitroso-compound reactions. I. Kechanism of tri-	
	nschey khimii, v. 35, no. 8, 1965, 1418-1422	
	on transition, reaction mechanism, EPR spectrum, organic nitroso fluoronitro compound, methane	
in various organic a -120° to 20°C. A de sence of a reducing tionation in an aque	anism of trifluoronitrosomethane disproportionation was studied and aqueous alkaline solvents in the temperature range from stailed examination of the EPR spectra indicated that in the abagent, the first stage of trifluoronitrosomethane disproportious alkaline solution [CF3NO+(C2H5O)+20] aqueous NaOH] is as	
	CF8NO+OH- = CF3N-O(F3N-O = CF3NO+O'H	
	OH OH OH	

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ACCESSION NR: AP5020084	
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$(II) + CF_3NO \rightleftharpoons CF_3N - NCF_3 = 0$ $(III) + CF_3NO \rightleftharpoons CF_3N - NCF_3 = 0$ $(III) + CF_3NO \rightleftharpoons CF_3N - NCF_3 = 0$ $(III) + CF_3NO \rightleftharpoons CF_3N - NCF_3 = 0$	
hexafluoroazoxymethane and trifluoronitromethane are formed in a reaction proceeding via the ion-radical mechanism. In the range from -120° to room temperature, ing via the ion-radical mechanism. In the range from -120° to room temperature, ing via the ion-radical mechanism. In the range from -120° to room temperature, ing via the interphase. The EPR spectra at -120°C indicates formation of Examination of the structure of the EPR spectra at -120°C indicates formation of Examination of the structure of the hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals. The hydroxy radicals, doublet with identical inseveral types of free radicals.	
O out doublet splitting were found using ethyl ether, chloroform, methyl chloride, out doublet splitting and ethyl chloride as solvents. In the CF ₃ NO+C ₂ H ₅ OH system the doublet splitting and ethyl chloride as solvents.	

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(AH) is equal to 3 tems involving eit	.3 Oe which is ther toluene or the was found to	sing either	carbon tetrachl	oride or tru	e dimetric	
acid as solvents. ion-radical (IV)	in the absence	of a reduci	ng agent involve the following w	e formation of the second of t	r a n-com-	
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YMY. CBOVICH, A. YR.

137-58-5-8800

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 10 (USSR)

AUTHOR: Yakubovich, A. Ya.

TITLE: Ceramic Rakers for Herreshoff Furnaces (Keramicheskiye greb-

ki dlya pechey Geresgofa)

PERIODICAL: Byul. Tsentr. in-t inform. M-va tsvetn. metallurgii SSSR,

1957, Nr 1, pp 14-16

ABSTRACT: The building-materials laboratory of the Noril'sk Kombinat has developed a design and a manufacturing technology for the

production of ceramic rakers employed in roasting furnaces. In their design the rakers are characterized by reinforced horizontal surface and a stronger blade. The chemical composition of the ceramic material is given together with the results of tests

performed on the rakers.

A. Sh.

1. Furnaces--Operation 2. Ceramic materials--Applications

Card 1/1

137-58-6-11383

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 19 (USSR)

Yakubovich, A.Ya. AUTHOR:

Fuel for Shaft Furnaces from By-products of the Coke-chem-TITLE:

ical Industry (Polucheniye topliva dlya shakhtnykh pechey iz

otkhodov kokso-khimicheskogo proizvodstva)

Byul. tsvetn. metallurgii, 1957, Nr 11-12, pp 57-59 PERIODICAL:

A discussion is offered of methods for briquetting coke ABSTRACT:

breeze (K) (with tar and a mineral binder - Portland cement) and the results of production tests of the briquettes (B). The physical chemical properties of the K are presented, also the chemical composition and physical mechanical indices of the Portland cement, the characteristics of the tar, the composition of the mix going to the preparation of B by pressing with an organic binder, the results of tests of B strength, of physical chemical analysis of an average B specimen and of local (Noril'sk Kombinat) coke, and also of the composition of the mix, the physical mechanical indices and physical chemical analyses of B made with cement binder. It is shown that the briquetting of coke-chemical industry wastes may serve as a supplementary source of supply for industrial shaft furnaces. N.B.

Card 1/1

1. Coke--Properties 2. Fuels--Sources

ZATTSEVA, To.L.; GITINA, R.M.; YAKUBOVICH, A.Ya.; BRAZ, G.I.; PETROVA, L.G.; BAZOV, V.P.

Synthesis and some proporties of aminoperfluorocarboxylic acid esters. Zhur. ob. khim. 34 no.8:2816 Ag '64. (MIRA 17:9)

BRAZ, G.I.; MYASNIKOVA, B.V.; YAKUBOVICH, A.Ya.; BAZOV, V.P.

Syntheses in the 1,3,5-triazine scries. Part 1: Carbethaysubstituted triazines. Zhur. ob. khim. 34 no.9:2980-2987
S '64.

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova.

ZAYTSEVA, Ye.L.; YAKUBOVICH, A.Ya.; BRAZ, G.I.; BAZOV, V.P.

Synthesis in the 1,3,5-triazine series. Part 3: Benzoylhydroxyal-kyltriazines. Zhur. ob. khim. 34 no.9:2976-2979 S '64.

(MIRA 17:11)

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova.

ROZANTSEV, G.G.; BRAZ, G.I.; YAKUBOVICH, A.Ya.

Phenyl enters of perfluoroaliphatic mono and dicarboxylic acids.
Zhur. ob. khim. 34 no.9:2974-2976 3 *64.

(NIRA 17:11)

1. Fiziko-khimicheskiy institut imeni L.Ya. Kurpova.

BANIT, Feofan Gavrilovich; YAKUBOVICH, Boris Isayevich;
VOLNYANSKIY, A.K., inzh., retsenzent; VYBORNIY,
K.R., inzh., retsenzent; KRIZHANOVSKIY, G.S., inzh.,
retsenzent; ZAYCHIKOVA, E.A., red.; GOL'HERG, T.M.,
tekhn. red.

[Operating, repairing, and assembling equipment in building materials plants] Ekspluatatsiia, remont i montazh oborudovaniia zavodov stroitel'nykh materialov. Moskva, Stroiizdat, 1964. 234 p. (MIRA 17:3)

YAKUBOVICH, B. M.

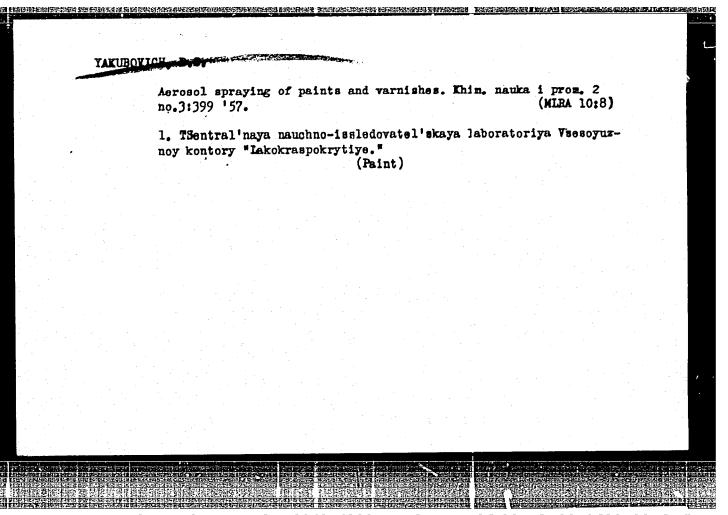
Pamyntka po ekspluatatsii trelevochnogo traktora KT-12 (Handbook on the use of the KT-12 skidding tractor, by) N. V. Kurin i B. M. Yakubovich. Moskva, of the KT-12 skidding tractor, by) N. V. Kurin i B. M. Yakubovich. Moskva, 142 p. illus.

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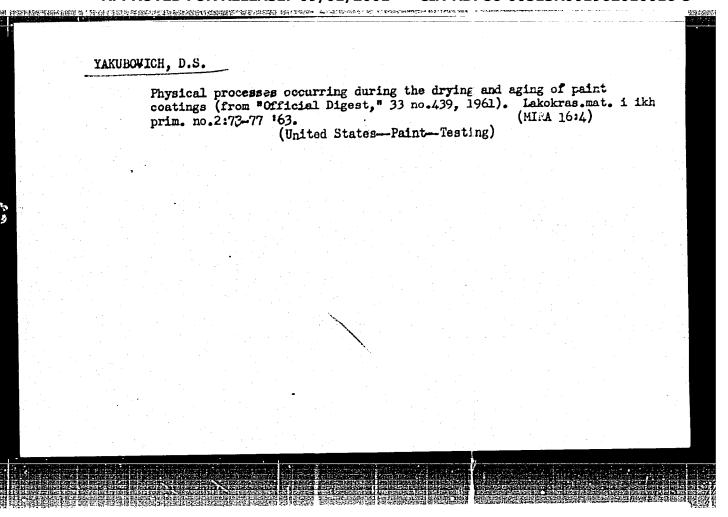
- 1. YAKUBOVICH, D, Min. Eng.
- 2. USSR 600
- h. Shaft Sinking
- 7. Sinking a shaft by the method of freezing, Mast. ugl., 1, No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



YAKUBOVICH, D.S.; GROZINSKAYA, Z.P.; SANZHAROVSKIY, A.T.; ZUBOV, P.I.

Studying the physicomechanical properties of polyurethan coatings.
Lakokras.mat.i ikh prim. no.6:32-37 '62. (MIRA 16:1)
(Protective coatings—Testing) (Ethyl cartamate)

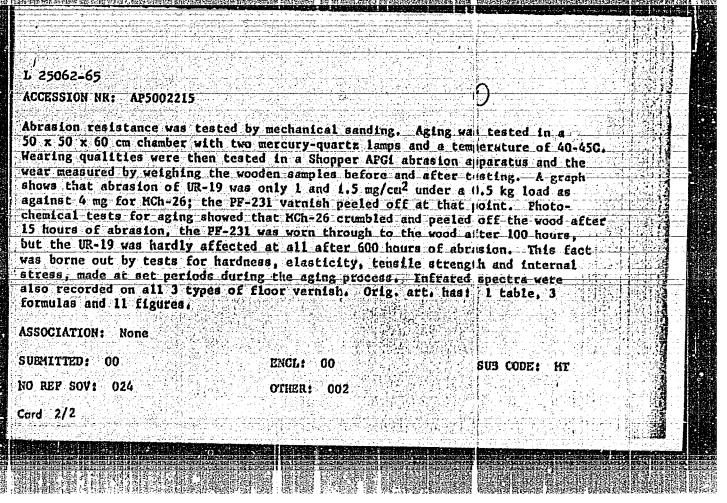


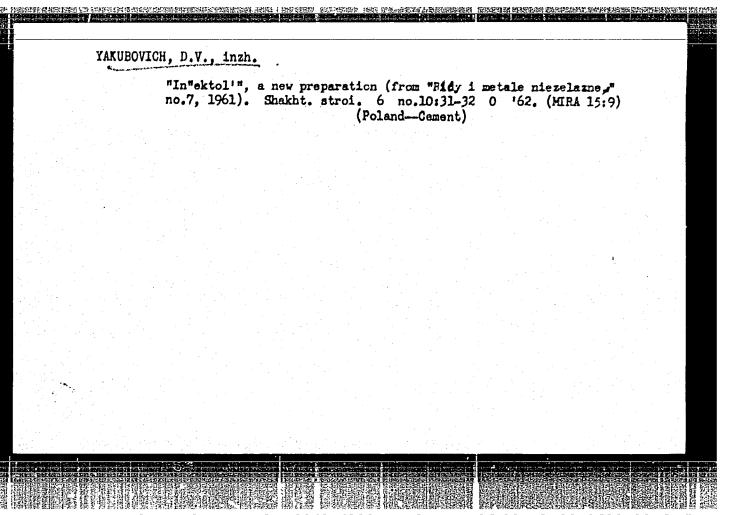
YAKUBOVICH, D.S.; SANZHAROVSKIY, A.T.; ZUBOV, P.I.

Studying the effect of the copper base structure on the adhesion to it of polyurethane coatings. Lakokras. mat. i ikh prim. (MIRA 16:11)

163. (MIRA 16:11)

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internal stress, and much higher rupture stress. Cord 1/2	





KOROP, V.F., inzh.; YAKUBOVICH, D.V., inzh.

Plugging holes in rock salt at the Solotvin Mine. Shakht. stroi. 8 no.6:24-26 Je '64. (MINA 17:10)

1. Solotvinskiy solerudnik (for Korop). 2. Tsl IIgorosusheniye (for Yakubovich).

41915

15.8500

S/191/62/000/011/009/019 B101/B186

AUTHORS:

Li, P. Z., Lukovenko, T. M., Yakubovich, E. I., Shagova,

E. A., Markovich, V. E.

TITLE:

Determination of the linear expansion coefficient of glass

plastics

PERIODICAL:

Plasticheskiye massy, no. 11, 1962, 36-40

TEXT: The linear expansion coefficient α of a glass textolite from phenol formaldehyde resin reinforced by 65-70% glass fabric was determined in the temperature range 20-400°C. The resin combinations of 70% $\beta\Delta$ -6 (ED-6) epoxy resin and 30% phenol formaldehyde resin, phenol formaldehyde resin with polyvinyl butyral 1:1, or of phenol formaldehyde resin with furfural acetone resin 1:1, tested for comparison, showed no essential differences. The relative elongation $\Delta 1/l_0$ of glass textolites was not found to be a linear function of temperature. α for 30% resin content lies near the α for glass fiber ($\sim 5\cdot 10^{-6}/^{\circ}$ C), it approaches that of iron for 45-55% resin content, and that of aluminum for 78% resin content, whereas α for pure resin is $\sim 80\cdot 10^{-6}/^{\circ}$ C. Glass textolite shaped in

Card 1/2

Determination of the linear ...

S/191/62/000/011/009/019 B101/B186

vacuo and molded glass textolite differ in that the \$\Delta 1/1_0\$-versus-temperature curve for the latter shows irregularities above 100°C, due to after-hardening of the resin and loss of volatile components (the loss in weight being greater than with vacuum-shaped textolite). Therefore vacuum-shaped glass textolite offers higher heat resistance and mechanical strength. Glass textolite heated to 300°C and cooled in the exsiccator showed constant relative elongation owing to the elimination of moisture. The bending strength of vacuum-shaped glass textolite after heating to 300°C rose by 15% to 2000 kg/cm², at 350°C by 10% to 1900 kg/cm². The bending strength decreased above 400°C. There are

Card 2/2

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UTHOR: Lukovenko, T. M. Gostev	المراقع المراقع المراقع المراقع المراق	and the second s	
TTLE: Heat-resistant glass-rein	forced_plastics_based_on_epox	y recins with an in-	
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The selicitude of our party inspires us. Sov. profesiusy 7 no.21:16 N '59. (MIRA 12:12)

1. Brigada kommunisticheskogo truda taskha ko.3 savoda "Freser." (Turning--Technological innovations)

YAKUBOVICH, Fedor Fedorovich; MURASHEVA, O.I., red.; KIBINA, Ye.I., tekhn.
red.

[Manufacturing kvass] Proizvodstvo khlebnogo kvasa. Moskva, Pishchepromizdat, 1961. 91 p.

(Kvass)

(Kvass)

SHAKIN, I.A.; YAKUBOVICH, F.F.; ADAMSON, N.F., otv. za vypusk;
MIKHAYLOVA, G.A., otv. za vyp.; MANVELOVA, Ye.S., tekhn.
red.

[Malted corn extract] Kukuruzno-solodovyi ekstrakt. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 20 p. (MIWA 17:3)

PROSVETOVA, G.I.; TUKAYEVA, S.A.; YAKUBOVICH, F.S.

Effectiveness of hormonal preparations in the combined treatment of Botkin's disease. Zdrav. Kazakh. 23 no.2:44-49'63.

(MIRA 16:10)

1. Iz kafedry infektsionnykh bolezney Karagandinskogo meditsinskogo instituta.

(HEPATITIS, INFECTIOUS) (ADRENOCORTICAL HORMONES)

(ACTH)

AUTHORS:

Kondrat'yev, A., Yakubovich, I., Engineers SOV/84-58-8-27/59

TITLE:

The An-10 Hydraulic System (Samolet An-10 - Gidravlicheskaya sistema)

PERIODICAL:

Grazhdanskaya aviatsiya, 1958, Nr 8, p 18 (USSR)

ABSTRACT:

The short article gives a description of the hydraulic system of the airliner in general terms. No technical data are included except the rated pressure which is 150 kg/cm², and the wall thickness of rustless steel piping which is said to be from .65 to 1.0 mm rendering a considerable reduction of weight.

Card 1/1

KUZ'KIN, S.F.; NEBERA, V.P.; YAKUBOVICH, I.A.; ZOLIN, S.N.

Studying the mechanism of the action of polyacrylamide flocculants. Izv. vys. ucheb. zav.; tsvet. met. 6 no.4134-43 163. (MIRA 1618)

1. Moskovskiy institut stali i splavov, kafedra obogashcheniya rud redkikh metallov.

(Flotation--Equipment and supplies)

YAKUBOVICH, I.A.

136-12-3/18

AUTHOR: Yakubovich, I.A., Candidate of Technical Sciences.

TITIE: Flocculants for Accelerating the Thickening and Filtration of Hydrometallurgical Pulps (Flokulyanty dlya uskoreniya sgushcheniya i fil'trovaniya gidrometallurgicheskikh pul'p)

PERIODICAL: Tsvetnye Metally, 1957, No.12, pp. 9-11 (USSR).

ABSTRACT: In this investigation, the properties of several synthetic and natural substances were studied from the aspect of the possibility and effectiveness of their use as flocculants for various hydrometallurgical pulps. Special attention was given to substances which are not scarce food products and which are cheap and plentiful. These properties are possessed by flocculants BN, M-42, KNN, KMU, BA, and their preparation and properties are considered in this article. Methodological details on the production and use of these flocculants are given. The following participated in the experimental work: Engineers P.I. Paradnya, V.N. Palagina, M.P. Vilyanskiy and Ye.S. Astakhov. There are 13 Russian references.

AVAILABLE: Library of Congress

Card 1/1

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AUTHOR:

Yakubovich, L. A.

TITLE:

Flocculation of Slimes and Synthetic Flocculants of the

Polyacrylamide Type

PERIODICAL: Atomnaya energiya, 1960, Vol. 8, No. 6, pp. 535-541

TEXT: The separation of hydrometallurgical slimes into the solid and liquid phases and the subsequent extraction of the disperse solid particles from the dissolved substances are of great importance in the dressing of ores and concentrates of uranium, lithium, zirconium, and other metals. The aggregation of more or less coarse and solid particles, the so-called flocculation, is brought about by special flocculants. With their action, the solid phase can be easily separated and extracted from the liquid phase. The present paper describes the methods of producing highly efficient flocculants and their properties, and gives the results of flocculation tests of aqueous, acid, and carbonate-hydrometallurgical slimes. This article is specially intended for

Card 1/3

APPROVED FOR RELEASE: 09/01/2001 CIA-I

CIA-RDP86-00513R001962010016-5"

Flocculation of Slimes and Synthetic Flocculants of the Polyacrylamide Type

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specialists in the enrichment of ores, and in the hydrometallurgy of uranium and rare metals, who work in industrial laboratories, factories, and research institutes. In the introduction the author discusses the properties of a good flocculant, the dependence of flocculation on the physicochemical properties of the medium and the flocculant, the addition of flocculants to slimes (with special regard to the new flocculants BJ (VL)) on the basis of marine algae, KJ H (KLZh) on the basis of linseed cakes, M-42 (M-42) on the basis of potato pulp, etc. On examination, these new flocculants turned out to be much more efficient than conventional reagents. Laboratory tests and industrial experience have shown that the polyacrylamide flocculants developed in the USSR by the Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds of the AS USSR) and the Institut galurgii (Institute of Halurgy) are the best ones. The author jointly with M. P. Vilyanskiy and N. P. Paskhin devised a method for the synthesis of this flocculant which he tested at a factory in the Gor'kiy rayon together with E. A. Kuleva and R. Z. Khantsis. The synthesis of the compounds of the polyacrylamide type $\mathsf{HM}\Phi(\mathtt{AMF})$, for which acrylic

Card 2/3

Flocculation of Slimes and Synthetic Flocculants of the Polyacrylamide Type

S/089/60/008/06/05/021 B006/BG63 82306

acid nitrile was used as starting material, is described in detail. The apparatus used for the production of the AMF flocculant is schematically shown in Fig. 1. Additional investigations dealt with its efficiency. Among other things, it was found that its efficiency was lowered by the presence of precipitates of metallic acid hydrates and silicic acid colloids. The effect of the addition of various flocculants to aqueous slimes (Figs. 3 and 4), carbonate slimes (Figs. 5,6), and slime sulfates (Fig. 2) are compared with one another in a series of diagrams. It is shown that the Russian flocculant AMF has practically the same effect as the American "Separan 2610" (Figs. 2,4) and is much better than other flocculants. There are 7 figures and 26 references: 12 Soviet and 4 German.

SUBMITTED: November 6, 1959

Card 3/3

ISAKORIN, B.N.; YAKUBOVICH, I.A.; ZUYEV, G.P.; KRASOV, V.G.; SMIRNOV, V.F.;

PIVOVAROV, F.Ya.

Mix-and-settle apparatus for the extraction of uranium and rare

metals from aqueous solutions. Atom. energ. 12 no.6:503-513 Je 162.

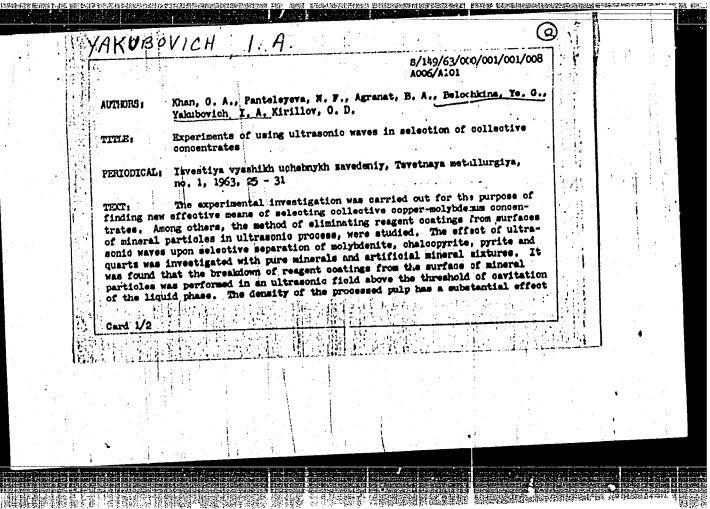
(Extraction apparatus)

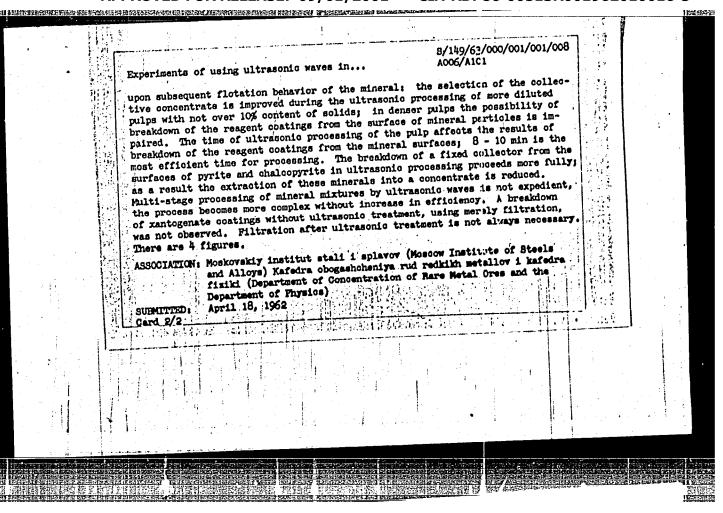
(Extraction apparatus)

KHAVSKIY, N.M.; YAKUBOVICH, I.A.; AGRAHAT, B.A.; KIRILLCV, O.D.; VASIL'YEV,
L.V.

Effect of ultrasonic waves on the process of leaching hard to dissolve rare metal compounds. Izv. vys. ucheb. zav.; tsvet. met. 6
no.3:106-109 '63.

1. Moskovskiy institut stali i splavov, kafedra metallurgii i radioaktivnykh motullov i komplokanoy porabotki pollmetallicheskikh rud.
(Leaching) (Metals, Rare and minor)
(Ultrasonic waves—Industrial applications)





B/089/63/014/002/010/019 B101/1186

AUTHOR:

Yakubovich, I. A.

TITLE: Decantation processes in uranium hydrometallurgy

PERIODICAL: Atomnaya energiya, v. 14, no. 2, 1963, 206 - 212

TEXT: To solve the problems arising in the investigation, planning, and industrial exploitation of the separation of soluble substances from the precipitate by decantation, equations are derived for the concentration of the resulting solution and for the efficiency of the washing process. If the resulting solution and for the efficiency of the washing fluid, then the conevery decantation is carried out with fresh washing fluid, then the concentration C_X (kg/tons) of the extracted substance in the x-th step of decentration is given by $C_X = (R_{pr}/R)^X C$, where R_{pr} is the liquid/solid phase (L/S) ratio of the precipitate, R the L/S ratio of the pulp, and C the initial concentration of the substance to be extracted. For an n-step definitial concentration of the substance to be extracted. For an n-step decinitial concentration of the substance to be extracted. For an extended cantation, the efficiency $\mathcal{E} = \left[(M+1)^{n+1} - 1 \right] / (M+1)^{n+1}$, where $M = (R-R_{pr}/R_{pr})^R C$ are constant in all steps. For countercurrent It is assumed that R and R are constant in all steps. For countercurrent

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Decantation processes in..

decantation with a washing fluid free from the substance to be extracted, the concentration in the intermediate stage x of an n-step decantation is $C_x = C(M^{n+1-x}-1)/(M^{n+1}-1)$, and $S = (M^{n+1}-M)100\%/(M^{n+1}-1)$. If $R \ge R_1$ pr $M_1 = L_1 \text{ dec}/R_{pr}$ is the washing modulus of the first step. If the washing fluid used is a reusable solution containing Co (kg/tons) of substance to be extracted, then the following equations hold for R : R pr

$$C_{x} = \frac{M^{(n+1-x)}-1}{M^{n}-1} \frac{M_{1}+1-M}{M_{1}+\frac{M-1}{M^{n}-1}} C + \frac{M^{(n+1)}-M}{M_{1}+\frac{M-1}{M^{n}-1}} C + \frac{M^{(n+1)}-M}{M^{n}-1} \frac{C+M}{M^{n}-1} \frac{M^{(n+1)}-M}{M^{n}-1} \frac{C+M}{M^{n}-1} \frac{M^{(n+1)}-M}{M^{n}-1} C_{0}}{(M^{(n+1)}-1)(C+MC_{0})} 100\%.$$

$$= \frac{(M^{(n+1)}-M)C+M(M^{(n+1)}-M)C_{0}}{(M^{(n+1)}-1)(C+MC_{0})} 100\%.$$

$$+ \frac{M^{n}-M^{(n+1-x)}}{M^{n}-1} C_{0}; \qquad (18)$$

Card 2/3

Decantation processes in...

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For M = M, C = 0, the number of decantations necessary to reach a given efficiency is calculated from n = \left\{log[(M - c)/(1 - E)] - log M\right]/log M.}

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Card 3/3